Message

From: MacNicholl, Peter@DTSC [Peter.MacNicholl@dtsc.ca.gov]
Sent: 7/14/2017 8:10:23 PM
To: Keller, Lynn [Keller.Lynn@epa.gov]
Subject: FW: Area 40 Ambient Air Sampling Locations
Attachments: Ambient Air Sampling Locations - Area 40.pdf

Hi Lynn,

These are our comments on the proposed Ambient Air Sampling locations and related rationale. Please review and discuss with your technical staff for further conservation on Monday's call. Thank you.

-Pete

From: Gallagher, Dan@DTSC
Sent: Friday, July 14, 2017 12:52 PM
To: MacNicholl, Peter@DTSC
Subject: FW: Area 40 Update

Peter,

I reviewed the attached map concerning outdoor air sampling at Aerojet and provide these preliminary comments.

- Burn Areas. No samples at or downwind of the burn areas are proposed. Shouldn't air emissions from VOC sources at the burn areas be evaluated?

- Wind Direction. While the predominant wind direction is to the northeast, anomalous wind patterns could occur during the 14-day sampling period. Hence, samplers should be deployed in a radial pattern around the source areas. Otherwise, a meteorological station specific to the sampling should be deployed.

- Background Samples. Only one background sample is proposed (A40-AA-06). From a statistical standpoint, is one background sample sufficient to evaluate the dataset?

- Humidity. The passive samplers will uptake atmospheric moisture. Upon sample analysis, the VOCs that have partitioned into the water-phase should be quantified during the analysis. Hence, the extraction and analytical process by the laboratory should address this potential issue so that the VOC results are not biased low.

- Method Reporting Limits (MRLs). The MRLs for the sampling should be approximately five times lower than the ambient air screening levels.

Please feel free to forward this email to interested stakeholders.

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From: Fennessy, Christopher [mailto:christopher.fennessy@Rocket.com]
Sent: Tuesday, June 20, 2017 3:10 PM
To: Keller, Lynn (Keller.Lynn@epa.gov); MacNicholl, Peter@DTSC; MacDonald, Alex@Waterboards
Cc: (Tom.Lae@ch2m.com); Timothy Davis (TDavis@Geosyntec.com); Kraemer, Sue (Sue.Kraemer@cbi.com); sforbess@Geosyntec.com; Joe Niland (JNiland@Geosyntec.com)
Subject: Area 40 Update

Hi Everyone – Based upon the comments received by the public regarding potential volatilization of VOCs from the subsurface into ambient air during hot summer days with minimal wind, AR decided to deploy passive ambient air samplers (Radiello) this morning. Temperatures will be as hot as they will get throughout the summer during this two week stretch. Also, based upon wind projections, wind speed is anticipated to be low (generally <10mph) throughout the two week period (https://www.windfinder.com/forecast/folsom_lake).

We selected 2 week passive air sampling devices to ensure we would achieve detection limits that would be below our COC residential indoor air screening levels. Twelve locations were selected, see attached). All samples will be retrieved on July 5 and submitted to Eurofins - Air Toxics. Samples collected from locations A40-AA-01, -02, -05, and -06 will be analyzed first. If COCs are detected above screening levels, the rest of the samples will be analyzed. Otherwise, the rest of the samples will be disposed and not analyzed.

We will have a work plan for this work to you soon, but did not want to miss this opportunity.

For tomorrow, we will discuss:

- RAOs and remedial alternatives
- DTSC GSU comments on Area 40 documents (Dan and Peter are both planning on attending)
- EPA comments on HHRA and FS?
- Status of EPA/DTSC agreement for oversight of Area 40

Let me know if you have other topics to discuss. Thanks! Chris

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